

8. (Once Amended) A multiwell plate forming a plurality of sample wells for holding samples to be assayed, said multiwell plate comprising:

an upper plate that forms sidewalls of the sample wells, said upper plate made from a plasma treated polymeric material;

a lower plate that forms bottom walls of the sample wells, said lower plate made from a pyrolyzed glass, wherein said upper plate was joined to said lower plate by an adhesive mixed with a silane monomer that polymerized to form a compatible network with the adhesive to strengthen a bond between said upper plate and said lower plate;

said silane monomer included silane functional groups that interacted with silane reactive groups in said plasma treated polymeric material to strengthen a bond between said adhesive and said upper plate; and

said silane monomer included silane functional groups that interacted with silane reactive groups in said pyrolyzed glass to strengthen a bond between said adhesive and said lower plate.

12. (Once Amended) The multiwell plate of Claim 8, wherein said silane monomer is 3-(trimethoxysilyl)propyl methacrylate.

24. (Added) The multiwell plate of Claim 1, wherein said polymeric material is a plasma treated polymeric material that has reactive groups which interact with said additive to strengthen a bond between said adhesive and said frame.

25. (Added) The multiwell plate of Claim 1, wherein said additive is 3-(mercaptopropyl)trimethoxy silane.

26. (Added) The multiwell plate of Claim 1, wherein said additive is tris2-(methoxyethoxy)vinyl silane. --